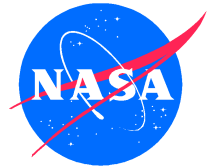


Imaging Method Applied to Abrasives Industry

Allison Abrasives, Inc



TECHNOLOGY

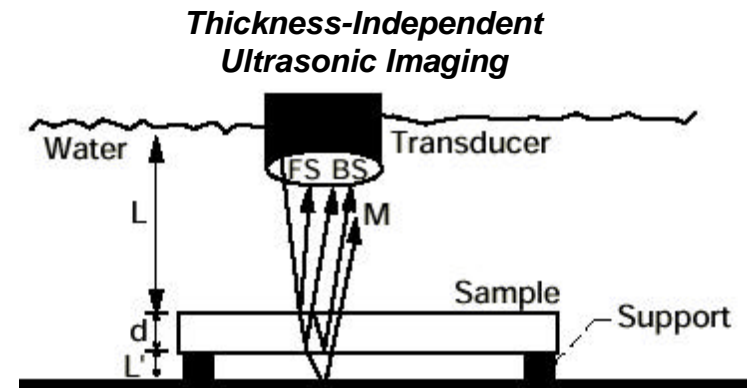
The development of the Thickness-Independent Ultra-Sonic Imaging Method works like ultrasound to characterize the density variation of abrasive cutting materials.

COMMERCIAL APPLICATION

- ◆ The imaging method may be used as a quality control tool for abrasive cut-off wheel manufacturers.
- ◆ Characterizes the density variation in abrasive cut-off wheels.

SOCIAL / ECONOMIC BENEFIT

- ◆ The imaging method replaces conventional examinations that were destructive or inaccurate.
- ◆ Excessive density variation within a wheel may cause wheel warpage and premature failure.



Allison Abrasive General Purpose Abrasive Wheels

NASA APPLICATIONS

- ◆ The imaging method was developed at NASA Glenn to provide more accurate characterization of aerospace components.
- ◆ It can characterize the extent of the density variation in a cut-off wheel